

### **ABSTRACT OF THE DISCLOSURE**

An inverter of driving a light source for a display device is provided. The inverter includes a temperature sensor sensing a temperature and generating an output voltage based on the sensed temperature, a buffer generating an output signal having a state depending on the output voltage of the temperature sensor, an oscillator generating an oscillating signal having a frequency depending on the state of the output signal of the buffer, and an inverter performing a switching operation in response to the oscillating signal from the oscillator. Therefore, the inverter increases the voltage applied to the light source when the temperature near the light source is lower than a predetermined temperature since the frequency of the oscillating signal is increased.